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Dated: November 1, 2006

Signature:

(Lynn E. Janulis)

Docket No.: 29636/39363A  
(PATENT)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Rolf Jessberger et al.

Application No.: 10/570,047

Filed: February 28, 2006

Art Unit: Not Yet Assigned

For: **METHODS FOR IDENTIFYING,  
TREATING, AND INDUCING  
INFERTILITY USING SMC1-BETA**

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 C.F.R. §1.97(b)(3)). Applicants submit herewith copies of non-patent literature in accordance with 37 C.F.R. §1.98(a)(2).

In accordance with 37 C.F.R. §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(a) exists. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to

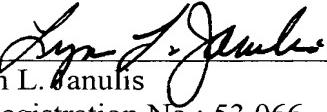
be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. §1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm except for the Issue Fee) to our Deposit Account No. 13-2855, under Order No. 29636/39363A. A copy of this paper is enclosed.

Dated: November 1, 2006

Respectfully submitted,

By   
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Substitute for form 1449A/B/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/570,047
Sheet	1	of	6	Filing Date	February 28, 2006
				First Named Inventor	Rolf Jessberger
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	29636/39363A

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
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	C1	ADACHI <i>et al.</i> , "Bidirectional Gene Organization: A Common Architectural Feature of the Human Genome," <i>Cell</i> 109:807-809, 2002.			
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C11	CLIFTON <i>et al.</i> , "Pachytene Spermatocytes in Co-Culture Inhibit Rat Sertoli Cell Synthesis of Inhibin $\beta$ B-Subunit and Inhibin B but not the Inhibin $\alpha$ -Subunit," <i>J. Endocrinol.</i> 172:565-574, 2002.	
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Sheet	3	of	6	Attorney Docket Number	29636/39363A

C31	JESSBERGER <i>et al.</i> , "SMC Proteins Constitute Two Subunits of the Mammalian Recombination Complex RC-1," <i>EMBO J.</i> 15:4061-4068, 1996.
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C52	MOROTOMI-YANO <i>et al.</i> , "Human Regulatory Factor X 4 (RFX4) Is a Testis-Specific Dimeric DNA-Binding Protein That Cooperates with Other Human RFX Members," <i>J. Biol. Chem.</i> 277:836-842, 2002.	
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C57	NCBI Database GenBank accession number NC_000022.	
C58	NCBI Database GenBank accession number NM_015653.	
C59	NCBI Database GenBank accession number NM_080470.	
C60	NCBI Database GenBank accession number NM_148674.	
C61	NCBI Database GenBank accession number NP_056468.	
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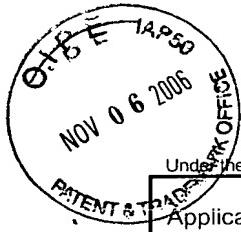
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C95	WU <i>et al.</i> , "The <i>sak1</i> <sup>+</sup> Gene of <i>Schizosaccharomyces pombe</i> Encodes an RFX Family DNA-Binding Protein That Positively Regulates Cyclic AMP-Dependent Protein Kinase-Mediated Exit from the Mitotic Cell Cycle," <i>Mol. Cell. Biol.</i> 15:1479-1488, 1995.	
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